

(FILE 'HOME' ENTERED AT 17:31:37 ON 30 MAR 2007)

FILE 'REGISTRY' ENTERED AT 17:31:43 ON 30 MAR 2007

L1 STRUCTURE UPLOADED
L2 7 S L1 FAM FULL

FILE 'CAPLUS' ENTERED AT 17:32:41 ON 30 MAR 2007

L3 203 S L2
L4 3 S L3 AND ((COMPLEX(W) REGIONAL(W) PAIN(W) SYNDROME) OR (REFLEX(W) SYM
L5 11 S L3 AND PAIN
L6 3 S L5 NOT PY>2004
L7 38 S L3 AND (TNF-ALPHA)
L8 11 S L7 AND (INHIBITOR OR ANTAGONIST)

=> file registry
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:31:43 ON 30 MAR 2007
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STRUCTURE FILE UPDATES: 29 MAR 2007 HIGHEST RN 928707-03-3
DICTIONARY FILE UPDATES: 29 MAR 2007 HIGHEST RN 928707-03-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

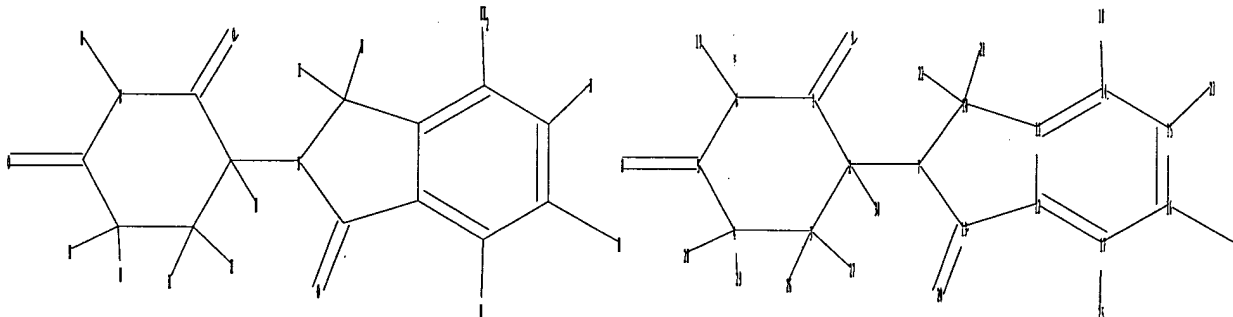
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10693794elected.str



chain nodes :

8 9 18 19 20 21 22 23 24 25 26 27 28 29 30

ring nodes :

1 2 3 4 5 6 7 10 11 12 13 14 15 16 17

chain bonds :

1-9 2-7 2-30 3-26 3-27 4-28 4-29 5-8 6-19 10-21 10-22 13-20 14-18 15-23
16-24 17-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-10 7-13 10-11 11-12 11-14 12-13 12-17 14-15
15-16 16-17

exact/norm bonds :

1-2 1-6 1-9 2-3 2-7 3-4 4-5 5-6 5-8 7-10 7-13 10-11 12-13 13-20 14-18

exact bonds :

2-30 3-26 3-27 4-28 4-29 6-19 10-21 10-22 15-23 16-24 17-25

normalized bonds :

11-12 11-14 12-17 14-15 15-16 16-17

Match level :

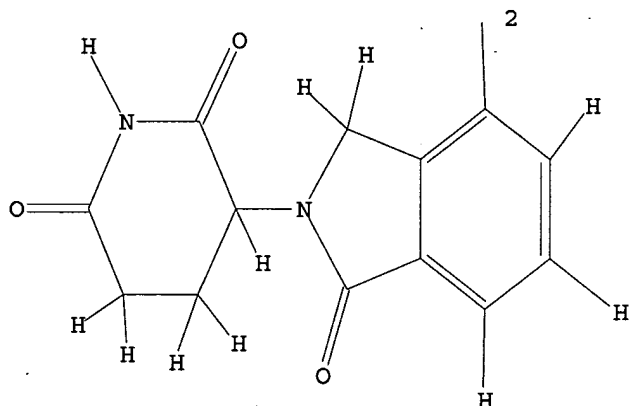
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 fam full

FULL SEARCH INITIATED 17:32:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 262 TO ITERATE

100.0% PROCESSED 262 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

L2 7 SEA FAM FUL L1

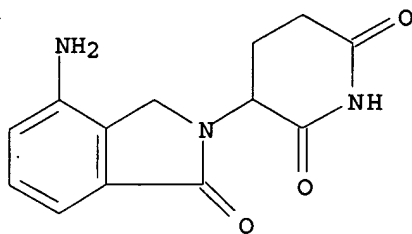
=> d l2 scan

L2 7 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN 2,6-Piperidinedione, 3-(4-amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)-, (-)-(9CI)

MF C13 H13 N3 O3

Rotation (-).

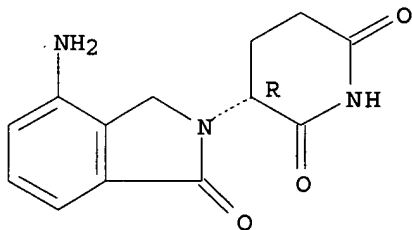


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

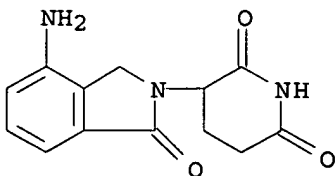
L2 7 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN 2,6-Piperidinedione, 3-(4-amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)-,
 (3R)- (9CI)
 MF C13 H13 N3 O3

Absolute stereochemistry.



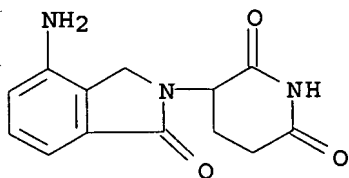
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 7 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN 2,6-Piperidinedione, 3-(4-amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)-,
 hydrate (2:1) (9CI)
 MF C13 H13 N3 O3 . 1/2 H2 O



● 1/2 H₂O

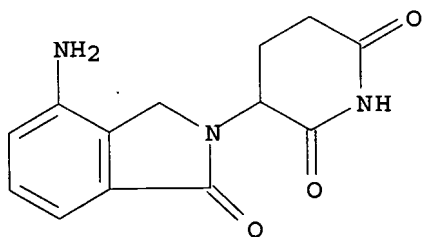
L2 7 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN 2,6-Piperidinedione, 3-(4-amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)-
 MF C13 H13 N3 O3
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 7 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN 2,6-Piperidinedione, 3-(4-amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)-, (+)-
 (9CI)
 MF C13.H13 N3 O3

Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

68.15

68.36

FILE 'CAPLUS' ENTERED AT 17:32:41 ON 30 MAR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 30 Mar 2007 VOL 146 ISS 15

FILE LAST UPDATED: 29 Mar 2007 (20070329/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l2

L3 203 L2

=> s l3 and

((complex(w) regional(w) pain(w) syndrome) or (Reflex(w) sympathetic(w) dystrophy))

1329086 COMPLEX

67862 REGIONAL

49424 PAIN

123930 SYNDROME

110 COMPLEX(W) REGIONAL(W) PAIN(W) SYNDROME

25143 REFLEX

39834 SYMPATHETIC

13005 DYSTROPHY

175 REFLEX(W) SYMPATHETIC(W) DYSTROPHY

L4 3 L3 AND ((COMPLEX(W) REGIONAL(W) PAIN(W) SYNDROME) OR (REFLEX(W) SYMPATHETIC(W) DYSTROPHY))

=> d l4 1-3 ti abs bib

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and compositions using immunomodulators for the treatment, prevention or management of dysfunctional sleep and dysfunctional sleep associated with disease

AB Methods are disclosed for treating, preventing and/or managing dysfunctional sleep, including but not limited to, dysfunctional sleep associated with chronic neurol. or inflammatory condition such as pain and neurodegenerative disorders, which comprise the administration of one or more immunomodulatory compds. or a pharmaceutically acceptable salt, solvate, stereoisomer, clathrate or prodrug thereof, alone or in combination with known therapeutics. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed. Immunomodulatory compds. include e.g. 4-amino-2-[2,6-dioxo(3-piperidyl)]isoindoline-1,3-dione.

AN 2005:1078258 CAPLUS <<LOGINID::20070330>>

DN 143:339698

TI Methods and compositions using immunomodulators for the treatment, prevention or management of dysfunctional sleep and dysfunctional sleep associated with disease

IN Zeldis, Jerome B.; Manning, Donald C.; Faleck, Herbert

PA USA

SO U.S. Pat. Appl. Publ., 21 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2005222209 | A1 | 20051006 | US 2005-93848 | 20050330 |
| | AU 2005231415 | A1 | 20051020 | AU 2005-231415 | 20050331 |
| | CA 2561910 | A1 | 20051020 | CA 2005-2561910 | 20050331 |
| | WO 2005097125 | A2 | 20051020 | WO 2005-US10937 | 20050331 |
| | WO 2005097125 | A3 | 20070125 | | |

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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

EP 1740178 A2 20070110 EP 2005-731426 20050331

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
HR, LV, MK, YU

PRAI US 2004-559261P P 20040401
WO 2005-US10937 W 20050331

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods of using and compositions comprising immunomodulatory compounds
for treatment, modification, and management of pain

AB Methods for treating, preventing, modifying and managing various types of
pain are disclosed. Specific methods comprise the administration of an
immunomodulatory compound, or a pharmaceutically acceptable salt, solvate,
hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in
combination with a second active agent and/or surgery, psychol. or phys.
therapy. Pharmaceutical compns., single unit dosage forms, and kits
suitable for use in methods of the invention are also disclosed.

AN 2005:426405 CAPLUS <<LOGINID::20070330>>

DN 142:457122

TI Methods of using and compositions comprising immunomodulatory compounds
for treatment, modification, and management of pain

IN Zeldis, Jerome B.; Faleck, Herbert; Manning, Donald C.

PA Celgene Corporation, USA

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DT Patent

LA English

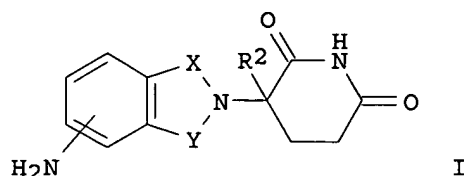
FAN.CNT 5

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|--|----------|------------------|----------|
| PI | WO 2005044178 | A2 | 20050519 | WO 2004-US12721 | 20040423 |
| | WO 2005044178 | A3 | 20051027 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZM, ZW | | | |
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| | US 2005203142 | A1 | 20050915 | US 2003-693794 | 20031023 |
| | AU 2004286818 | A1 | 20050519 | AU 2004-286818 | 20040423 |
| | CA 2543160 | A1 | 20050519 | CA 2004-2543160 | 20040423 |
| | EP 1680111 | A2 | 20060719 | EP 2004-750612 | 20040423 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | |
| | BR 2004015007 | A | 20061107 | BR 2004-15007 | 20040423 |
| | CN 1897945 | A | 20070117 | CN 2004-80038171 | 20040423 |
| PRAI | US 2003-693794 | A | 20031023 | | |
| | US 2002-421003P | P | 20021024 | | |
| | WO 2004-US12721 | W | 20040423 | | |
| OS | MARPAT 142:457122 | | | | |

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods of using and compositions comprising immunomodulatory compounds
for treatment, modification and management of pain

GI



AB Methods of treating, preventing, modifying and managing various types of pain are disclosed. Specific methods comprise the administration of an immunomodulatory compound of formula (I), or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active agent and/or surgery, psychol. or phys. therapy. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.

AN 2004:368888 CAPLUS <<LOGINID::20070330>>

DN 140:368712

TI Methods of using and compositions comprising immunomodulatory compounds for treatment, modification and management of pain

IN Zeldis, Jerome B.; Faleck, Herbert; Manning, Donald C.

PA Celgene Corporation, USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 5

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|------------------|----------|
| PI | WO 2004037199 | A2 | 20040506 | WO 2003-US33757 | 20031024 |
| | WO 2004037199 | A3 | 20041223 | | |
| | W: | | | | |
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| | CA 2503536 | A1 | 20040506 | CA 2003-2503536 | 20031024 |
| | AU 2003286663 | A1 | 20040513 | AU 2003-286663 | 20031024 |
| | EP 1556044 | A2 | 20050727 | EP 2003-777871 | 20031024 |
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| | BR 2003015609 | A | 20050823 | BR 2003-15609 | 20031024 |
| | CN 1732000 | A | 20060208 | CN 2003-80107531 | 20031024 |
| | JP 2006507284 | T | 20060302 | JP 2004-547126 | 20031024 |
| PRAI | US 2002-421003P | P | 20021024 | | |
| | WO 2003-US33757 | W | 20031024 | | |
| OS | MARPAT 140:368712 | | | | |

=> s 13 and pain

49424 PAIN

L5 11 L3 AND PAIN

=> s 15 not py>2004

2909281 PY>2004

L6 3 L5 NOT PY>2004

=> d 16 1-3 ti

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Treatment of low back pain and whiplash-associated disorder
with, for example, a monoclonal antibody, an antisense oligonucleotide, or
an MMP inhibitor

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Use of a TNF inhibitor for the treatment of low back pain

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Formulations of adenosine A1 agonists

=> d 16 1-11 ti

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Treatment of low back pain and whiplash-associated disorder
with, for example, a monoclonal antibody, an antisense oligonucleotide, or
an MMP inhibitor

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Use of a TNF inhibitor for the treatment of low back pain

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
TI Formulations of adenosine A1 agonists

=> d 15 1-11 ti

L5 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Preparation of dioxopiperidinyI-isoindolone and -isoindolediones
derivatives as antitumor agents

L5 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Multicyclic sulfonamide compounds as inhibitors of histone deacetylase for
the treatment of disease and their preparation

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Method of using, and compositions comprising, immunomodulatory compounds
for the treatment and management of myeloproliferative diseases

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods and compositions using immunomodulators for the treatment,
prevention or management of dysfunctional sleep and dysfunctional sleep
associated with disease

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods of using and compositions comprising immunomodulatory compounds
for treatment, modification, and management of pain

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods of using and compositions comprising immunomodulatory compounds
for the treatment and management of myeloproliferative diseases

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods of using and compositions comprising immunomodulatory compounds
for treatment, modification and management of pain

L5 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Method using dialkyl ethers and other compounds for treating arthritis,
cartilage damage, and other interleukin 6-mediated conditions

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Treatment of low back pain and whiplash-associated disorder
 with, for example, a monoclonal antibody, an antisense oligonucleotide, or
 an MMP inhibitor

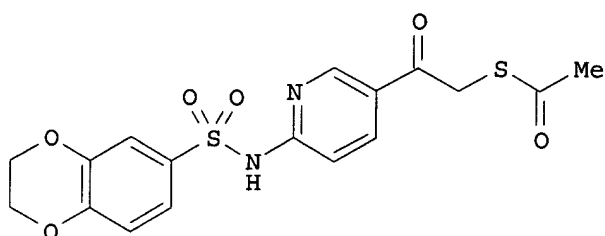
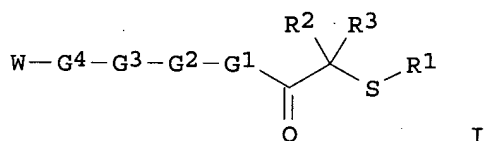
L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Use of a TNF inhibitor for the treatment of low back pain

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Formulations of adenosine A1 agonists

=> d 15 2 3 5 6 7 9 10 11 ti abs bib

L5 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Multicyclic sulfonamide compounds as inhibitors of histone deacetylase for
 the treatment of disease and their preparation

GI



AB Disclosed herein are sulfonamide compds. of formula I as described herein. Compds. of formula I wherein G1 is bond, alkenyl, alkoxy, alkoxyalkyl, alkyl, alkylamino, alkylcarbonyl, etc.; G2 is (un)substituted (mono/poly) heteroaryl; G3 is SO2NH and derivs., NHSO2 and derivs., C1-3 alkyl-SO2NH and derivs., and NHSO2-C1-3 alkyl and derivs.; G4 is bicyclic (hetero)aryl, and (hetero)cycloalkyl-fused monocyclic (hetero)aryl; W is OH and derivs., (un)substituted oxyalkyl, SH and derivs., etc.; R1 is H, PO3H2 and derivs., CN, (un)substituted acyl, (hetero)aryl, alkyl, aroyl, etc.; R2 and R3 are independently H, Me, and Et; and their therapeutically acceptable salts, esters, and prodrugs thereof, are claimed. Methods and compns. are disclosed for treating disease states including, but not limited to cancers, autoimmune diseases, tissue damage, central nervous system disorders, neurodegenerative disorders, fibrosis, bone disorders, polyglutamine-repeat disorders, anemias, thalassemias, inflammatory conditions, cardiovascular conditions, and disorders in which angiogenesis play a role in pathogenesis, using the compds. of the invention. In addition, methods of modulating the activity of histone deacetylase (HDAC) are also disclosed. Example compound II was prepared by chlorination of 6-chloronicotinic acid; the resulting 6-chloronicotinoyl chloride underwent alkylation of di-Me malonate to give di-Me 2-(6-chloronicotinoyl)malonate, which underwent decarboxylation to give

2-chloro-5-acetylpyridine, which underwent amination to give 2-amino-5-acetylpyridine, which underwent sulfamidation with 2,3-dihydrobenzo[1,4]dioxin-6-sulfonyl chloride to give 2,3-dihydrobenzo[1,4]dioxin-6-sulfonic acid (5-acetylpyridin-2-yl)amide, which underwent bromination to give 2,3-dihydrobenzo[1,4]dioxin-6-sulfonic acid (5-(bromoacetyl)pyridin-2-yl)amide, which underwent substitution with potassium thioacetate to give compound II. All the invention compds. were evaluated for their HDAC inhibitory activity. From the assay, it was determined that compound II exhibited in vitro and cellular IC50 values of $\leq 1 \mu\text{M}$.

AN 2007:119480 CAPLUS <<LOGINID::20070330>>
 DN 146:206220
 TI Multicyclic sulfonamide compounds as inhibitors of histone deacetylase for the treatment of disease and their preparation
 IN Malecha, James W.; Noble, Stewart A.; Wiley, Brandon M.; Hoffman, Timothy Z.; Bonnefous, Celine; Sertic, Michael; Wash, Paul L.; Smith, Nicholas D.; Hassig, Christian A.; Scranton, Shawn A.; Payne, Joseph E.; Hager, Jeffery
 PA Kalypsys, Inc., USA
 SO U.S. Pat. Appl. Publ., 44pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | US 2007027184 | A1 | 20070201 | US 2006-496784 | 20060727 |
| | WO 2007016354 | A1 | 20070208 | WO 2006-US29438 | 20060727 |
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| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | US 2005-704091P | P | 20050729 | | |
| | US 2006-780129P | P | 20060307 | | |
| OS | MARPAT 146:206220 | | | | |

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Method of using, and compositions comprising, immunomodulatory compounds for the treatment and management of myeloproliferative diseases
 AB Methods of treating, preventing, and/or managing a myeloproliferative disease are disclosed. Specific methods encompass the administration of an immunomodulatory compound, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active agent, and/or the transplantation of blood or cells. Particular second active agents are capable of suppressing the overprodn. of hematopoietic stem cells or ameliorating one or more of the symptoms of a myeloproliferative disease. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.
 AN 2005:1259339 CAPLUS <<LOGINID::20070330>>
 DN 144:17165
 TI Method of using, and compositions comprising, immunomodulatory compounds for the treatment and management of myeloproliferative diseases
 IN Zeldis, Jerome B.
 PA Celgene Corporation, USA
 SO PCT Int. Appl., 59 pp.
 CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------|---|------|----------|-----------------|----------|
| PI | WO 2005112928 | A1 | 20051201 | WO 2004-US14003 | 20040505 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2004319816 | A1 | 20051201 | AU 2004-319816 | 20040505 |
| | CA 2565447 | A1 | 20051201 | CA 2004-2565447 | 20040505 |
| | EP 1746995 | A1 | 20070131 | EP 2004-751399 | 20040505 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, HR, LT, LV, MK | | | | |
| PRAI | WO 2004-US14003 | A | 20040505 | | |
| OS | MARPAT 144:17165 | | | | |
| RE.CNT 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods of using and compositions comprising immunomodulatory compounds for treatment, modification, and management of pain
AB Methods for treating, preventing, modifying and managing various types of pain are disclosed. Specific methods comprise the administration of an immunomodulatory compound, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active agent and/or surgery, psychol. or phys. therapy. Pharmaceutical comps., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.
AN 2005:426405 CAPLUS <<LOGINID::20070330>>
DN 142:457122
TI Methods of using and compositions comprising immunomodulatory compounds for treatment, modification, and management of pain
IN Zeldis, Jerome B.; Faleck, Herbert; Manning, Donald C.
PA Celgene Corporation, USA
SO PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2005044178 | A2 | 20050519 | WO 2004-US12721 | 20040423 |
| | WO 2005044178 | A3 | 20051027 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2005203142 | A1 | 20050915 | US 2003-693794 | 20031023 |

| | | | | |
|---|----|----------|------------------|----------|
| AU 2004286818 | A1 | 20050519 | AU 2004-286818 | 20040423 |
| CA 2543160 | A1 | 20050519 | CA 2004-2543160 | 20040423 |
| EP 1680111 | A2 | 20060719 | EP 2004-750612 | 20040423 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| BR 2004015007 | A | 20061107 | BR 2004-15007 | 20040423 |
| CN 1897945 | A | 20070117 | CN 2004-80038171 | 20040423 |
| PRAI US 2003-693794 | A | 20031023 | | |
| US 2002-421003P | P | 20021024 | | |
| WO 2004-US12721 | W | 20040423 | | |
| OS MARPAT 142:457122 | | | | |

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods of using and compositions comprising immunomodulatory compounds for the treatment and management of myeloproliferative diseases

AB Methods of treating, preventing and/or managing a myeloproliferative disease are disclosed. Specific methods encompass the administration of an immunomodulatory compound, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active agent, and/or the transplantation of blood or cells. Particular second active agents are capable of suppressing the overprod. of hematopoietic stem cells or ameliorating one or more of the symptoms of a myeloproliferative disease. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed. The immunomodulatory compound is especially 4-(amino)-2-[2,6-dioxo(3-piperidyl)]isoindoline-1,3-dione or 3-(4-amino-1-oxo-1,3-dihydroisoindol-2-yl)piperidine-2,6-dione.

AN 2004:372856 CAPLUS <<LOGINID::20070330>>

DN 140:368680

TI Methods of using and compositions comprising immunomodulatory compounds for the treatment and management of myeloproliferative diseases

IN Zeldis, Jerome B.

PA USA

SO U.S. Pat. Appl. Publ., 20 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

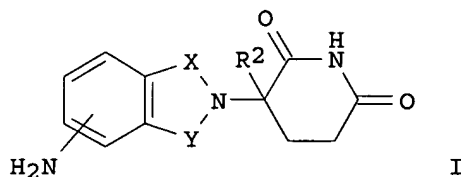
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2004087546 | A1 | 20040506 | US 2003-411656 | 20030411 |
| | CA 2504663 | A1 | 20040527 | CA 2003-2504663 | 20030413 |
| | WO 2004043464 | A1 | 20040527 | WO 2003-US11328 | 20030413 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003241289 | A1 | 20040603 | AU 2003-241289 | 20030413 |
| | EP 1567157 | A1 | 20050831 | EP 2003-731018 | 20030413 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003016082 | A | 20050927 | BR 2003-16082 | 20030413 |
| | CN 1720045 | A | 20060111 | CN 2003-825761 | 20030413 |
| | JP 2006507325 | T | 20060302 | JP 2004-551395 | 20030413 |
| | US 2006166932 | A1 | 20060727 | US 2006-371777 | 20060308 |
| PRAI | US 2002-424730P | P | 20021106 | | |
| | US 2003-411656 | A3 | 20030411 | | |
| | WO 2003-US11328 | W | 20030413 | | |

OS MARPAT 140:368680

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods of using and compositions comprising immunomodulatory compounds for treatment, modification and management of pain

GI



AB Methods of treating, preventing, modifying and managing various types of pain are disclosed. Specific methods comprise the administration of an immunomodulatory compound of formula (I), or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active agent and/or surgery, psychol. or phys. therapy. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.

AN 2004:368888 CAPLUS <<LOGINID::20070330>>

DN 140:368712

TI Methods of using and compositions comprising immunomodulatory compounds for treatment, modification and management of pain

IN Zeldis, Jerome B.; Faleck, Herbert; Manning, Donald C.

PA Celgene Corporation, USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 5

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|--|----------|------------------|----------|
| PI | WO 2004037199 | A2 | 20040506 | WO 2003-US33757 | 20031024 |
| | WO 2004037199 | A3 | 20041223 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | CA 2503536 | A1 | 20040506 | CA 2003-2503536 | 20031024 |
| | AU 2003286663 | A1 | 20040513 | AU 2003-286663 | 20031024 |
| | EP 1556044 | A2 | 20050727 | EP 2003-777871 | 20031024 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| | BR 2003015609 | A | 20050823 | BR 2003-15609 | 20031024 |
| | CN 1732000 | A | 20060208 | CN 2003-80107531 | 20031024 |
| | JP 2006507284 | T | 20060302 | JP 2004-547126 | 20031024 |
| PRAI | US 2002-421003P | P | 20021024 | | |
| | WO 2003-US33757 | W | 20031024 | | |
| OS | MARPAT 140:368712 | | | | |

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Treatment of low back pain and whiplash-associated disorder
with, for example, a monoclonal antibody, an antisense oligonucleotide, or
an MMP inhibitor
AB The use of a substance that inhibits disk-related nerve-irritating
substances for the production of a pharmaceutical composition for treatment of
low

back pain and/or whiplash-associated disorder (WAD) is disclosed.
The substance that inhibits disk-related nerve-irritating substances is,
e.g., a monoclonal antibody, a soluble cytokine receptor or a receptor
antagonist, an antisense oligonucleotide, an MMP inhibitor, a quinolone, a
thalidomide derivative, an inhibitor of IL-1, IL-6, IL-8, or IFN- γ , and
a nitric oxide or eicosanoid blocking substance. Also a method for
treatment of low back pain and/or whiplash-associated disorder
(WAD) is disclosed. For example, a male patient diagnosed with sciatica
due to disk herniation and whiplash-associated disorder (pain in
the region of the neck that radiated out into both arms after a vehicle
accident) was treated with an i.v. injection of 2.5 mL of Orthogen (an
IL-1 receptor antagonist) dissolved in 2.5 mL saline. The day after the
injection, the patient reported that the sciatic pain was
markedly reduced. His problems in the neck region were also greatly
improved and minor stiffness in the neck and the radiating pain
in the arms had more or less disappeared. At the follow-up examination 1 wk
later, he reported that he only suffered minor pain in the legs
and also in the neck. Four weeks after the injection, the patient
considered himself free of symptoms, and this was the case also at the
final follow-up examination at 8 wk.

AN 2002:793397 CAPLUS <<LOGINID::20070330>>

DN 137:289029

TI Treatment of low back pain and whiplash-associated disorder
with, for example, a monoclonal antibody, an antisense oligonucleotide, or
an MMP inhibitor

IN Olmarker, Kjell; Rydevik, Bjoern

PA A+ Science Invest AB, Swed.

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2002080893 | A1 | 20021017 | WO 2002-SE673 | 20020405 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |

PRAI SE 2001-1258 A 20010406

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Use of a TNF inhibitor for the treatment of low back pain

AB The use of a tumor necrosis factor (TNF) inhibitor for the production of a
pharmaceutical composition for treatment of low back pain and in
particular of low back pain due to local irritation of
annulus-related nerve fibers by disk derived substances is described.
Also a method for treatment of low back pain is disclosed. For
example, a patient was given infliximab, a selective monoclonal antibody
that inhibits only TNF, at 5 mg/kg for treatment of low back pain

. Approx. 1.5 h after completing the administration the patient started to feel symptoms of relief regarding his pain. The improvement was found to be dramatic at the follow-up exams. and persisted during 4 wk.

AN 2002:793395 CAPLUS <<LOGINID::20070330>>
 DN 137:304790
 TI Use of a TNF inhibitor for the treatment of low back pain
 IN Olmarker, Kjell; Rydevik, Bjoern
 PA A+ Science Invest AB, Swed.
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2002080891 | A1 | 20021017 | WO 2002-SE671 | 20020405 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRAI SE 2001-1256 A 20010406
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Formulations of adenosine A1 agonists
 AB A method of treating conditions associated with pain and alleviating the symptoms associated with it comprises administering to a mammal an adenosine A1 agonist or a salt or solvate and an NSAID, e.g., a COX-2 inhibitor. The present invention also provides pharmaceutical formulations and patient packs comprising the combinations. Thus, (2S,3S,4R,5R)-2-(5-tert-butyl-[1,3,4]oxadiazol-2-yl)-5-[6-(4-chloro-2-fluorophenylamino)purin-9-yl]tetrahydrofuran-3,4-diol (I) was prepared in a series of steps by the reaction of (3aS,4S,6R,6aR)-6-(6-chloropurin-9-yl)-2,2-dimethyltetrahydrofuro[3,4-d][1,3]dioxole-4-carboxylic acid with 2,2-dimethylpropionic acid hydrazide followed by the cyclization of the resulting compound, and subsequent treatment with 4-chloro-2-fluoroaniline and deprotection. I and 2-(4-ethoxy-phenyl)-3-(4-methanesulfonylphenyl)pyrazolo[1,5-b]pyridazine(COX-2 inhibitor), were administered at 1% to rats. The compds. showed inhibition of carrageenan-induced edema and allodynia.

AN 2001:472471 CAPLUS <<LOGINID::20070330>>
 DN 135:81971
 TI Formulations of adenosine A1 agonists
 IN Bountra, Charanjit; Clayton, Nicholas Maughan; Naylor, Alan
 PA Glaxo Group Limited, UK
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2001045683 | A2 | 20010628 | WO 2000-GB4883 | 20001219 |
| WO 2001045683 | A3 | 20020314 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, | | | | |

HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1239879 A2 20020918 EP 2000-985627 20001219
 EP 1239879 B1 20040225
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2003519104 T 20030617 JP 2001-546422 20001219
 AT 260119 T 20040315 AT 2000-985627 20001219
 US 2003004128 A1 20030102 US 2002-168195 20020618
 PRAI GB 1999-30075 A 19991220
 WO 2000-GB4883 W 20001219

=> s 13 and (TNF-alpha)

67328 TNF
 1676057 ALPHA
 50526 TNF-ALPHA
 (TNF(W) ALPHA)

L7 38 L3 AND (TNF-ALPHA)

=> s 17 and (inhibitor or antagonist)

535258 INHIBITOR
 167898 ANTAGONIST

L8 11 L7 AND (INHIBITOR OR ANTAGONIST)

=> d 18 1-11 ti

L8 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Cytokine targets in the treatment of myelodysplastic syndromes

L8 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Combination therapy comprising a cyclooxygenase 2 (COX-2)
 inhibitor and an antineoplastic agent for treatment or prevention
 of neoplasia

L8 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Immunological abnormalities in hematological diseases

L8 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Combinations for the treatment of diseases involving cell proliferation,
 migration or apoptosis of myeloma cells, or angiogenesis

L8 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Methods of using and compositions comprising immunomodulatory compounds
 for the treatment and management of myelodysplastic syndromes

L8 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Combination therapy including a JNK kinase inhibitor for
 treating, preventing or managing proliferative disorders and cancers

L8 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI CC-5013: Treatment of multiple myeloma treatment of melanoma treatment of
 myelodysplastic syndrome angiogenesis inhibitor TNF- α .
 alpha. production inhibitor

L8 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related
 compounds, and compositions thereof as TNF- α
 inhibitors for treatment of cancer, inflammatory disorders, heart disease,

and related disorders

L8 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Immunomodulatory drug CC-5013 overcomes drug resistance and is well tolerated in patients with relapsed multiple myeloma

L8 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related compounds, and compositions thereof as TNF- α inhibitors for treatment of cancer, inflammatory disorders, heart disease, and related disorders

L8 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Amino-substituted thalidomide analogs: potent inhibitors of TNF- α production

=> d l8 2 5 7 8 9 10 11 ti abs bib

L8 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Combination therapy comprising a cyclooxygenase 2 (COX-2) inhibitor and an antineoplastic agent for treatment or prevention of neoplasia

AB A method for treating or preventing neoplasia or a neoplasia-related disorder in a subject is provided, the method comprising administering to the subject an effective amount of a combination comprising a COX-2 inhibitor and an antineoplastic agent.

AN 2005:470251 CAPLUS <<LOGINID::20070330>>
DN 143:19957
TI Combination therapy comprising a cyclooxygenase 2 (COX-2) inhibitor and an antineoplastic agent for treatment or prevention of neoplasia

IN Masferrer, Jaime L.
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 317 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2005048942 | A2 | 20050602 | WO 2004-US38019 | 20041115 |
| | WO 2005048942 | A3 | 20060330 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 2005227929 | A1 | 20051013 | US 2004-989192 | 20041115 |
| PRAI | US 2003-519701P | P | 20031113 | | |

L8 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Methods of using and compositions comprising immunomodulatory compounds for the treatment and management of myelodysplastic syndromes

AB Methods of treating, preventing and/or managing myelodysplastic syndromes are disclosed. Specific methods encompass the administration of immunomodulatory compound, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in

combination with a second active ingredient, and/or the transplantation of blood or cells. Specific second active ingredients are capable of affecting or improving blood cell production Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed. Patients with myelodysplastic syndromes were treated orally with 3-(4-amino-1-oxo-1,3-dihydro-isoindol-2-yl)-piperidine-2,6-dione.

AN 2004:354803 CAPLUS <<LOGINID::20070330>>
 DN 140:350572
 TI Methods of using and compositions comprising immunomodulatory compounds for the treatment and management of myelodysplastic syndromes
 IN Zeldis, Jerome B.
 PA Celgene Corporation, USA
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004035064 | A1 | 20040429 | WO 2003-US11323 | 20030413 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2004220144 | A1 | 20041104 | US 2003-411649 | 20030411 |
| | US 7189740 | B2 | 20070313 | | |
| | CA 2477301 | A1 | 20040429 | CA 2003-2477301 | 20030413 |
| | AU 2003228508 | A1 | 20040504 | AU 2003-228508 | 20030413 |
| | EP 1487461 | A1 | 20041222 | EP 2003-726262 | 20030413 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003015315 | A | 20050816 | BR 2003-15315 | 20030413 |
| | CN 1713917 | A | 20051228 | CN 2003-825567 | 20030413 |
| | JP 2006507271 | T | 20060302 | JP 2004-545192 | 20030413 |
| | JP 2007045839 | A | 20070222 | JP 2006-278102 | 20061011 |
| PRAI | US 2002-418468P | P | 20021015 | | |
| | JP 2004-545192 | A3 | 20030413 | | |
| | WO 2003-US11323 | W | 20030413 | | |

OS MARPAT 140:350572

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI CC-5013: Treatment of multiple myeloma treatment of melanoma treatment of myelodysplastic syndrome angiogenesis inhibitor TNF-
 alpha. production inhibitor

AB A review. Due to its immunomodulatory activity, thalidomide has shown efficacy as a treatment in several inflammatory diseases involving increased tumor necrosis factor (TNF) levels. However, thalidomide has also been shown to be effective in noninflammatory diseases such as cancer. Thalidomide displayed potent antiangiogenic activity and has shown efficacy in trials involving patients with advanced and refractory myeloma, resulting in complete and near-complete responses and increases in survival. Unfortunately, thalidomide continues to be associated with significant adverse effects, which has prompted a search for novel potent analogs with reduced toxicity. The thalidomide analogs discovered have been classified into 2 groups: selective cytokine-inhibitory drugs

(SeICIDS) and immunomodulatory drugs (IMiDs). CC-5013 has emerged as an effective IMiD, displaying TNF- α -inhibitory, antiangiogenic, cytokine-related and immunomodulatory effects more potent than thalidomide but without the adverse neurol. effects. CC-5013 has been shown to be safe and effective in phase I and II trials in patients with relapsed and refractory multiple myeloma and myelodysplastic syndrome and is now in phase III development for these indications.

AN 2003:704643 CAPLUS <<LOGINID::20070330>>

DN 139:285454

TI CC-5013: Treatment of multiple myeloma treatment of melanoma treatment of myelodysplastic syndrome angiogenesis inhibitor TNF- α . production inhibitor

AU Sorbera, L. A.; Castaner, J.; Bayes, M.

CS Prous Science, Barcelona, 08080, Spain

SO Drugs of the Future (2003), 28(5), 425-431

CODEN: DRFUD4; ISSN: 0377-8282

PB Prous Science

DT Journal; General Review

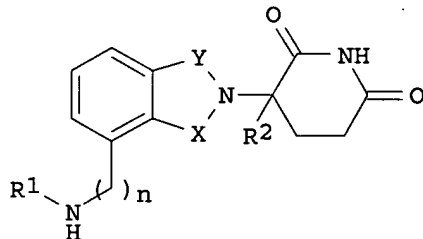
LA English

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

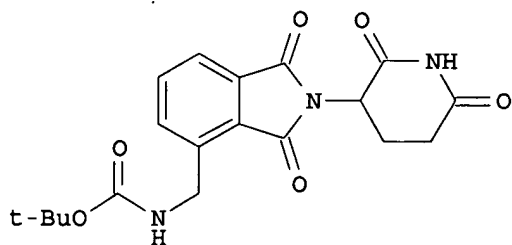
L8 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related compounds, and compositions thereof as TNF- α inhibitors for treatment of cancer, inflammatory disorders, heart disease, and related disorders

GI



I



II

AB The invention relates to isoindole-imide compds. and pharmaceutically acceptable salts, hydrates, solvates, clathrates, enantiomers, diastereomers, racemates, or mixts. of stereoisomers thereof, pharmaceutical compns. comprising these isoindole-imide compds., and methods for reducing the level of cytokines and their precursors in mammals. In particular, the invention pertains to isoindole-imide compds. that are potent inhibitors of the production of TNF- α in mammals. The isoindole-imides described herein are useful for treating or preventing diseases or disorders in mammals, for example,

cancers, such as solid tumors and blood-born tumors; heart disease, such as congestive heart failure; osteoporosis; and genetic, inflammatory; allergic; and autoimmune diseases. Title isoindole-imides I [wherein one of X and Y is CO and the other is CH₂ or CO; R₁ = H, (cyclo)alkyl, alkenyl, alkynyl, benzyl, aryl, alkylheterocycloalkyl, alkylheteroaryl, COR₃, CSR₃, CO₂R₄, alkyl-(NR₆)₂, alkyl-OR₅, alkyl-CO₂R₅, CONHR₃, CSNHR₃, CON(R₃)₂, CSN(R₃)₂, or alkyl-OCOR₅; R₂ = H, benzyl, alkyl, alkenyl, or alkynyl; R₃ = independently (cyclo)alkyl, alkenyl, alkynyl, benzyl, aryl, alkylheterocycloalkyl, alkylheteroaryl, alkyl-N(R₆)₂, alkyl-OR₅, alkyl-CO₂R₅, alkyl-OCOR₅, or CO₂R₅; R₄ = alkyl, alkenyl, alkynyl, alkyl-OR₅, benzyl, aryl, alkylheterocycloalkyl, or alkylheteroaryl; R₅ = alkyl, alkenyl, alkynyl, benzyl, aryl, or heteroaryl; R₆ = independently H, alkyl, alkenyl, alkynyl, benzyl, (hetero)aryl, or alkyl-CO₂R₅; or R₆ groups may join to form a heterocycloalkyl group; n = 0-1; with the proviso that when n = 0, R₁ ≠ H; or pharmaceutically acceptable salts, hydrates, solvates, clathrates, enantiomers, diastereomers, racemates, or mixts. of stereoisomers thereof] were prepared for reducing the level of cytokines and their precursors in mammals. In particular, the invention pertains to isoindole-imide compds. that are potent inhibitors of the production of TNF-α (no data). For example, Me 2-(methoxycarbonyl)-3-nitrobenzoate was hydrogenated with 10% Pd/C (87%). The amine was converted to the nitrile by diazonium salt formation effected by treatment with NaNO₃ followed by cyanide formation using classic Sandmeyer procedure (65%). The nitrile was reduced with 10% Pd/C in MeOH and aqueous HCl under hydrogen to afford Me 3-aminomethyl-2-(methoxycarbonyl)benzoate•HCl (90%), which was treated with TEA and then reacted with di-t-Bu dicarbonate to give the carbamate (93%). Cyclization with 3-aminoglutarimide•HCl using diisopropylethylamine in DMF produced II (82%). The 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones and pharmaceutical compns. comprising them are useful for treating or preventing diseases or disorders in mammals, e.g. cancers, such as solid tumors and blood-born tumors; heart disease, such as congestive heart failure; osteoporosis; and genetic, inflammatory, allergic, and autoimmune diseases (no data).

AN 2003:396458 CAPLUS <<LOGINID::20070330>>

DN 138:385311

TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related compounds, and compositions thereof as TNF-α inhibitors for treatment of cancer, inflammatory disorders, heart disease, and related disorders

IN Robarge, Michael J.; Chen, Roger Shen-Chu; Muller, George W.; Man, Hon-Wah
PA USA

SO U.S. Pat. Appl. Publ., 100 pp., CCont.-in-part of U.S. Ser. No. 972,487.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2003096841 | A1 | 20030522 | US 2001-32286 | 20011221 |
| | US 7091353 | B2 | 20060815 | | |
| | US 2003045552 | A1 | 20030306 | US 2001-972487 | 20011005 |
| | AT 352548 | T | 20070215 | AT 2001-997133 | 20011221 |
| | EP 1767533 | A1 | 20070328 | EP 2006-17608 | 20011221 |
| | R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR, AL, LT, LV, MK, RO, SI | | | | |
| | ZA 2003005759 | A | 20050117 | ZA 2003-5759 | 20030101 |
| | US 2006025597 | A1 | 20060202 | US 2005-230448 | 20050921 |
| | JP 2006089495 | A | 20060406 | JP 2005-321049 | 20051104 |
| | AU 2006200717 | A1 | 20060316 | AU 2006-200717 | 20060221 |
| PRAI | US 2000-258372P | P | 20001227 | | |
| | US 2001-972487 | A2 | 20011005 | | |
| | AU 2002-248252 | A3 | 20011221 | | |
| | EP 2001-997133 | A3 | 20011221 | | |

JP 2002-559408 A3 20011221
US 2001-32286 A3 20011221

OS MARPAT 138:385311

RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN
TI Immunomodulatory drug CC-5013 overcomes drug resistance and is well
tolerated in patients with relapsed multiple myeloma
AB Thalidomide (Thal) can overcome drug resistance in multiple myeloma (MM)
but is associated with somnolence, constipation, and neuropathy. In previous
in vitro studies, we have shown that the potent immunomodulatory derivative of
thalidomide (IMiD) CC-5013 induces apoptosis or growth arrest even in
resistant MM cell lines and patient cells, decreases binding of MM cells
to bone marrow stromal cells (BMSCs), inhibits the production in the BM milieu
of cytokines (interleukin-6 [IL-6], vascular endothelial growth factor
[VEGF], tumor necrosis factor- α [TNF- α])
mediating growth and survival of MM cells, blocks angiogenesis, and
stimulates host anti-MM natural killer (NK) cell immunity. Moreover,
CC-5013 also inhibits tumor growth, decreases angiogenesis, and prolongs
host survival in a human plasmacytoma mouse model. In the present study,
we carried out a phase 1 CC-5013 dose-escalation (5 mg/d, 10 mg/d, 25
mg/d, and 50 mg/d) study in 27 patients (median age 57 yr; range, 40-71
yr) with relapsed and refractory relapsed MM. They received a median of 3
prior regimens (range, 2-6 regimens), including autologous stem cell
transplantation and Thal in 15 and 16 patients, resp. In 24 evaluable
patients, no dose-limiting toxicity (DLT) was observed in patients treated at
any dose level within the first 28 days; however, grade 3 myelosuppression
developed after day 28 in all 13 patients treated with 50 mg/d CC-5013.
In 12 patients, dose reduction to 25 mg/d was well tolerated and therefore
considered the maximal tolerated dose (MTD). Importantly, no significant
somnolence, constipation, or neuropathy has been seen in any cohort. Best
responses of at least 25% reduction in paraprotein occurred in 17 (71%) of 24
patients (90% confidence interval [CI], 52%-85%), including 11 (46%)
patients who had received prior Thal. Stable disease (less than 25% reduction
in paraprotein) was observed in an addnl. 2 (8%) patients. Therefore, 17
(71%) of 24 patients (90% CI, 52%-85%) demonstrated benefit from
treatment. Our study therefore provides the basis for the evaluation of
CC-5013, either alone or in combination, to treat patients with MM at
earlier stages of disease.

AN 2002:840111 CAPLUS <<LOGINID::20070330>>

DN 138:83060

TI Immunomodulatory drug CC-5013 overcomes drug resistance and is well
tolerated in patients with relapsed multiple myeloma

AU Richardson, Paul G.; Schlossman, Robert L.; Weller, Edie; Hideshima, Teru;
Mitsiades, Constantine; Davies, Faith; LeBlanc, Richard; Catley, Laurence
P.; Doss, Deborah; Kelly, Kathleen; McKenney, Mary; Mechlowicz, Julie;
Freeman, Andrea; Deocampo, Reggie; Rich, Rebecca; Ryoo, Joan J.; Chauhan,
Dharminder; Balinski, Kathe; Zeldis, Jerome; Anderson, Kenneth C.

CS Jerome Lipper Multiple Myeloma Center, Dana-Farber Cancer Institute,
Harvard Medical School, Boston, MA, USA

SO Blood (2002), 100(9), 3063-3067

CODEN: BLOOAW; ISSN: 0006-4971

PB American Society of Hematology

DT Journal

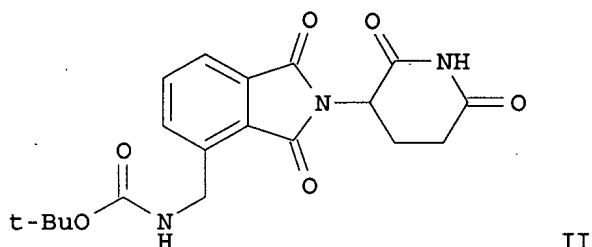
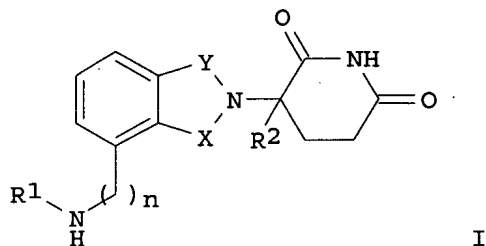
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related
compounds, and compositions thereof as TNF- α
inhibitors for treatment of cancer, inflammatory disorders, heart disease,
and related disorders

GI



AB Title isoindole-imides I [wherein one of X and Y is CO and the other is CH₂ or CO; R₁ = H, (cyclo)alkyl, alkenyl, alkynyl, benzyl, aryl, alkylheterocycloalkyl, alkylheteroaryl, COR₃, CSR₃, CO₂R₄, alkyl-(NR₆)₂, alkyl-OR₅, alkyl-CO₂R₅, CONHR₃, CSNHR₃, CON(R₃)₂, CSN(R₃)₂, or alkyl-OCOR₅; R₂ = H, benzyl, alkyl, alkenyl, or alkynyl; R₃ = independently (cyclo)alkyl, alkenyl, alkynyl, benzyl, aryl, alkylheterocycloalkyl, alkylheteroaryl, alkyl-N(R₆)₂, alkyl-OR₅, alkyl-CO₂R₅, alkyl-OCOR₅, or CO₂R₅; R₄ = alkyl, alkenyl, alkynyl, alkyl-OR₅, benzyl, aryl, alkylheterocycloalkyl, or alkylheteroaryl; R₅ = alkyl, alkenyl, alkynyl, benzyl, aryl, or heteroaryl; R₆ = independently H, alkyl, alkenyl, alkynyl, benzyl, (hetero)aryl, or alkyl-CO₂R₅; or R₆ groups may join to form a heterocycloalkyl group; n = 0-1; with the proviso that when n = 0, R₁ ≠ H; or pharmaceutically acceptable salts, hydrates, solvates, clathrates, enantiomers, diastereomers, racemates, or mixts. of stereoisomers thereof] were prepared for reducing the level of cytokines and their precursors in mammals. In particular, the invention pertains to isoindole-imide compds. that are potent inhibitors of the production of TNF-α (no data). For example, Me 2-(methoxycarbonyl)-3-nitrobenzoate was hydrogenated with 10% Pd/C (87%). The amine was converted to the nitrile by diazonium salt formation effected by treatment with NaNO₃ followed by cyanide formation using classic Sandmeyer procedure (65%). The nitrile was reduced with 10% Pd/C in MeOH and aqueous HCl under hydrogen to afford Me 3-aminomethyl-2-(methoxycarbonyl)benzoate•HCl (90%), which was treated with TEA and then reacted with di-t-Bu dicarbonate to give the carbamate (93%). Cyclization with 3-aminoglutarimide•HCl using diisopropylethylamine in DMF produced II (82%). The 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones and pharmaceutical compns. comprising them are useful for treating or preventing diseases or disorders in mammals, e.g. cancers, such as solid tumors and blood-born tumors; heart disease, such as congestive heart failure; osteoporosis; and genetic, inflammatory, allergic, and autoimmune diseases (no data).

AN 2002:575064 CAPLUS <<LOGINID::20070330>>

DN 137:125091

TI Preparation of 2-(2,6-dioxo-3-piperidyl)isoindoline-1,3-diones, related compounds, and compositions thereof as TNF-α

inhibitors for treatment of cancer, inflammatory disorders, heart disease, and related disorders

IN Robarge, Michael J.; Chen, Roger Shen-Chu; Muller, George W.; Man, Hon-Wah
PA Celgene Corporation, USA
SO PCT Int. Appl., 224 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002059106 | A1 | 20020801 | WO 2001-US50401 | 20011221 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2003045552 | A1 | 20030306 | US 2001-972487 | 20011005 |
| | CA 2433021 | A1 | 20020801 | CA 2001-2433021 | 20011221 |
| | EP 1363900 | A1 | 20031126 | EP 2001-997133 | 20011221 |
| | EP 1363900 | B1 | 20070124 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | HU 200302578 | A2 | 20031128 | HU 2003-2578 | 20011221 |
| | JP 2004525889 | T | 20040826 | JP 2002-559408 | 20011221 |
| | NZ 526893 | A | 20051028 | NZ 2001-526893 | 20011221 |
| | AT 352548 | T | 20070215 | AT 2001-997133 | 20011221 |
| | EP 1767533 | A1 | 20070328 | EP 2006-17608 | 20011221 |
| | R: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR, AL, LT, LV, MK, RO, SI | | | | |
| | ZA 2003005759 | A | 20050117 | ZA 2003-5759 | 20030101 |
| | JP 2006089495 | A | 20060406 | JP 2005-321049 | 20051104 |
| | AU 2006200717 | A1 | 20060316 | AU 2006-200717 | 20060221 |
| PRAI | US 2000-258372P | P | 20001227 | | |
| | US 2001-972487 | A | 20011005 | | |
| | AU 2002-248252 | A3 | 20011221 | | |
| | EP 2001-997133 | A3 | 20011221 | | |
| | JP 2002-559408 | A3 | 20011221 | | |
| | WO 2001-US50401 | W | 20011221 | | |

OS MARPAT 137:125091

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2007 ACS on STN

TI Amino-substituted thalidomide analogs: potent inhibitors of TNF- α production

AB Thalidomide is a known inhibitor of TNF- α release in LPS stimulated human PBMC. Herein we describe the TNF- α inhibitory activity of amino substituted analogs of thalidomide and its isoindolin-1-one analog, EM-12. The 4-amino substituted analogs were found to be potent inhibitors of TNF- α release in LPS stimulated human PBMC.

AN 1999:386135 CAPLUS <<LOGINID::20070330>>

DN 131:129881

TI Amino-substituted thalidomide analogs: potent inhibitors of TNF- α production

AU Muller, George W.; Chen, Roger; Huang, Shaei-Yun; Corral, Laura G.; Wong, Lu Min; Patterson, Rebecca T.; Chen, Yuxi; Kaplan, Gilla; Stirling, David I.

CS Celgene Corporation, Warren, NJ, 07059, USA

SO Bioorganic & Medicinal Chemistry Letters (1999), 9(11), 1625-1630
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT